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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,742	03/31/2006	Toru Matsuki	016778-0501	2127
22428 FOLEY AND	7590 06/30/2008 LARDNER LLP	EXAMINER		
SUITE 500			CASCA, FRED A	
3000 K STRE WASHINGTO			ART UNIT	PAPER NUMBER
	,		2617	
			MAIL DATE	DELIVERY MODE
			06/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No.	Applicant(s)	Applicant(s)		
10/552,742	MATSUKI, TORU			
Examiner	Art Unit			
FRED A. CASCA	2617			

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Office Action Summary	Examiner	Art Unit				
	FRED A. CASCA	2617				
The MAILING DATE of this communication app	ears on the cover sheet with the o	orrespondence a	ddress			
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. Extensions of time may be available under the provisions of 37 CFR 1.1 after SSI (6) MONTHS from the mailing date of the communication. If NO period for reply is specified above, the maximum statutory period. Failure to reply within the soir or reshorded period for reply will by statute Any reply received by the Office later than three months after the mailing aemed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	,			
Status						
Responsive to communication(s) filed on						
2a) This action is FINAL. 2b) ☐ This	action is non-final.					
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to th	e merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
· _						
4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	with from consideration.					
6)⊠ Claim(s) <u>1-6</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers	·					
· · · · · · · · · · · · · · · · · · ·						
9) The specification is objected to by the Examine						
10) The drawing(s) filed on 12 October 2005 is/are:		-	ier.			
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11) The oath or declaration is objected to by the Ex	ammer. Note the attached Office	ACTION OF IOTHER	10-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
Certified copies of the priority document						
2. Certified copies of the priority document						
3. Copies of the certified copies of the prior	-	ed in this Nationa	Stage			
application from the International Bureau						
* See the attached detailed Office action for a list	or the certified copies not receive	ca.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Draftsperson's Patent Drawing Review (PTO-948) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal F					
Paper No(s)/Mail Date	6) Other:	and a representation				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

2. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al

(US 2006/0094432 A1) in view of Leonard (US 2006/0068826 A1).

Referring to claim 1, Chang discloses a method for testing a handover function between

cells covered by the base station radio apparatuses in a mobile communication system (abstract

and Fig. 1), the mobile communication system at the least including a mobile station (Fig. 1),

base station radio apparatuses that perform communication with the mobile station and a radio

base station control apparatus that controls transmission powers for the base station radio

apparatuses (Fig. 1), wherein the method comprising:

a step of calculating a difference between levels of reception fields for the base station

radio apparatuses that cover the cells for which the handover test of the mobile terminal is to be

performed (Paragraph 16 and 38, "measuring signal strength of signals received by a mobile

station from an active base station and comparing the measured signal strength of the active base

station with a first threshold value"); the difference between the levels of the reception fields of

which is equal to or smaller than the threshold value (Par. 37, "compares the measured signal

strength power P(A) of the active base station with a plurality of threshold values") and a step of

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performing the handover function test between the cells covered by the base station radio apparatuses (Par. 22, 37, "determining if the mobile station needs to hand off to another base station").

Chang does not specifically disclose controlling transmission powers of the base station radio apparatuses so that a difference is equal to or smaller than a predetermined threshold value in the format claimed.

Leonard discloses a wireless network service using an initial threshold to determine whether a signal received from a cellular device is of sufficient strength to warrant further processing, implementing a power controller of a base station, where the power controller includes an outer loop power control and an inner loop power control, and a outer loop power control determining the strength of the received signal and comparing it to an different threshold values (abstract and paragraphs 8-9, 24 and 27, "wireless network service utilizes an initial threshold to determine whether a signal received from a cellular device is of sufficient strength", "a power controller of a base station, where the power controller includes an outer loop power control and an inner loop power control op power control determines the strength of the received signal and compares it to an initial threshold").

It would have been obvious to one of the ordinary skill in the art at the time of invention to modify the method of Chang by incorporating the teachings of Leonard in the format claimed, for the purpose of providing an efficient handover method.

Referring to claim 2, the combination of Chang/Leonard discloses a method according to claim 1, and further disclose at the step of controlling transmission powers, the transmission Application/Control Number: 10/552,742

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power of the base station radio apparatus for which the difference has been calculated and for which the level of the reception field is high is controlled, so that the difference is equal to or smaller than the predetermined value (Leonard, paragraphs 8-9, 24 and 27).

It would have been obvious to one of the ordinary skill in the art at the time of invention to modify the method of Chang by incorporating the teachings of Leonard in the format claimed, for the purpose of providing an efficient handover method.

Referring to claim 3, the combination of Chang/Leonard disclose a method according to claim 1 or 2, wherein the method further comprises a step of measuring reception field levels of the mobile terminal (inherent); a step of notifying the radio base station control apparatus of the measured reception field levels (inherent); a step of calculating a difference between the reception field levels that are notified (Leonard, paragraphs 8-9, 24 and 27, Chang, paragraphs 16, 22 and 26); a step of comparing a difference in the thus calculated reception field levels with the threshold value; a step of, when the difference is greater than the threshold value, calculating an adjusted value to control transmission powers of the base station radio apparatuses, so that the difference is equal to or smaller than a predetermined threshold value; and a step of employing the adjusted value to control the transmission powers of the base station radio apparatuses (Leonard, paragraphs 8-9, 24 and 27, Chang, paragraphs 16, 22 and 26).

Referring to claims 4 and 5, claims 4 and 5 recite features analogous to the features of claims 1 and 2 (as rejected above). Thus the combination of Chang/Leonard discloses all elements of claims 4 and 5 (please see the rejection of claims 1 and 2 above).

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Referring to claim 6, claim 6 recites features analogous to the features of claim 1 (as

rejected above). Thus the combination of Chang/Leonard discloses all elements of claim 6

(please see the rejection of claim 1).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Fred A. Casca whose telephone number is (571) 272-7918. The

examiner can normally be reached on Monday through Friday from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Paul Harper, can be reached at (571) 272-7605. The fax number for the organization

where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/VINCENT P. HARPER/

Supervisory Patent Examiner, Art Unit 2617